

A1  
concl.

information is now being viewed by user 102. A column 616 indicates the date and time that the user 102 submitted the reprogramming request using screen 600. A column 618 labeled "Current" indicates the present value (at last reading and presently stored in repository 116) for the corresponding vehicle parameter shown in column 614. A column 620 labeled "Requested" indicates the new reprogrammed value requested by user 102 using column 608 of screen 600. Screen 610 also includes a column 622 labeled "Status" which indicates the current status (as read from the vehicle 128) of the reprogramming command sent by the TFL system 100.

---

Page 21, Lines 15-17:

A2

Computer system 700 can include a display interface 702 that forwards graphics, text, and other data from the communication infrastructure 706 (or from a frame buffer now shown) for display on the display unit 730.

---

IN THE CLAIMS:

Please rewrite claims 1-4, 6, 9-10, and 12 as set forth below in clean form. Additionally, in accordance with 37 CFR 1.121(c)(1)(ii), amended claims 1-4, 6, 9-10, and 12 are set forth in a marked-up version in the pages attached to this Amendment.

A3

1. (Once amended) A system for allowing a user to perform remote vehicle diagnostics, vehicle monitoring, vehicle configuration and vehicle reprogramming for one or more vehicles, comprising:

(A) an onboard unit coupled to a data bus of the one or more vehicles;

(B) an application server which provides the user with a graphical user interface (GUI) in order to send and receive data from each of the one or more vehicles;

(C) a repository database, accessible via said application server, which stores information related to the one or more vehicles;

A3  
cond  
(D) an onboard unit server, coupled to said application server, which contains means to convert data between a format understandable by the user using said GUI, and a format understandable by said onboard unit coupled to the data bus of the one or more vehicles; and

(E) a communications means, coupled between said onboard unit server and said onboard units, for handling communications between said onboard unit server and said onboard units located on the one or more vehicles;

wherein said system allows the user to perform total fleet logistics via said GUI interface by facilitating vehicle parameter changes, vehicle health tracking, and receipt of vehicle maintenance need indications, thus eliminating a need to physically bring the one or more vehicles to a repair, maintenance, or configuration facility.

2. (Once amended) The system of claim 1, wherein the one or more vehicles includes at least one of the group consisting of:

- (i) passenger cars;
- (ii) light trucks;
- (iii) vans; and
- (iv) heavy trucks.

3. (Once amended) The system of claim 1, wherein said format understandable by said onboard unit coupled to the data bus of the one or more vehicles is binary.

03  
Comm).

4. (Once amended) The system of claim 1, wherein at least a first portion of said communications means includes the Internet.

---

✓  
Please cancel claim 5 without prejudice.

---

6. (Once amended) A system for a vehicle onboard unit that allows a user to perform remote vehicle diagnostics, vehicle monitoring, vehicle configuration and vehicle reprogramming, comprising:

(A) a central processing unit (CPU);

(B) user input/output (I/O) channel ports for receiving communications from the user;

A4  
(C) a first application program interface means, executing on said CPU, for extracting a command from said communications received by said user I/O channel ports, wherein said command includes information specifying a vehicle and at least one vehicle parameter;

(D) vehicle input/output (I/O) channel ports for receiving and sending communications to a vehicle data bus located on said vehicle specified by said command;

(E) a second application program interface means, executing on said CPU, for communicating said command, via said vehicle I/O channel ports, to said vehicle data bus thereby causing said at least one vehicle parameter to be read or changed;

wherein said system allows the user to perform total fleet logistics via said GUI interface by facilitating vehicle parameter changes, vehicle health tracking, and receipt of vehicle maintenance need indications, thus eliminating a need to physically bring said vehicle to a repair, maintenance or configuration facility.

---

✓  
Please cancel claims 7 and 8 without prejudice.

---

9. (Once amended) A method for allowing a user to perform remote diagnostics, monitoring, configuring, and reprogramming for a fleet of vehicles, comprising the steps of:

(1) accessing a repository database in order to provide the user with a list of specific vehicles within the fleet of vehicles and a list of associated vehicle parameters;

A5  
(2) receiving, via a graphical user interface (GUI), a command from the user, wherein said command includes information specifying at least one vehicle from said list of vehicles and one vehicle parameter from said list of associated vehicle parameters.

(3) storing said command in said repository database along with the time and date that said command was received from the user;

(4) converting said command from a format understandable by the user using said GUI to a format understandable by an onboard unit located on said at least one vehicle;

(5) sending said command, via a wireless mobile communications system, in said format understandable by said onboard unit located on said at least one vehicle, thereby causing said at least one vehicle parameter to be read or changed;

(6) receiving an acknowledgment of said command from said onboard unit, via said wireless mobile communications system; and

(7) storing said acknowledgment in said repository database so that the user may later retrieve said acknowledgment using said GUI;

A5  
canc.

wherein said method allows the user to perform total fleet logistics via said GUI interface by facilitating vehicle parameter changes, vehicle health tracking, and receipt of vehicle maintenance need indications, thus eliminating the need to physically bring vehicles within the fleet to a repair, maintenance, or configuration facility.

10. (Once amended) The method of claim 9, wherein at least a portion of said GUI is provided to the user via the Internet.

---

✓  
Please cancel claim 11 without prejudice.

---

A6

12. (Once amended) A computer program product comprising a computer usable medium having control logic stored therein for causing a computer to provide remote diagnostics, monitoring, configuring and reprogramming for a fleet of vehicles, said control logic comprising:

first computer readable program code means for causing the computer to access a repository database in order to provide the user with a list of specific vehicles within the fleet of vehicles and a list of associated vehicle parameters;

second computer readable program code means for causing the computer to receive, via a graphical user interface (GUI), a command from the user, wherein said command includes information specifying at least one vehicle from said list of vehicles and one vehicle parameter from said list of associated vehicle parameters;

third computer readable program code means for causing the computer to store said command in said